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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,494	06/01/2005	Sadeq Faris	Chelix-0008USAAON37	1464
26665 7590 03/23/2007 REVEO, INC. 3 WESTCHESTER PLAZA ELMSFORD, NY 10523			EXAMINER MCDONALD, SHANTESE L	
			ART UNIT	PAPER NUMBER
			3723	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		03/23/2007	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/523,494	<b>Applicant(s)</b> FARIS ET AL.	
	<b>Examiner</b> Shantese L. McDonald	<b>Art Unit</b> 3723	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 20 December 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) 1-6,8 and 9 is/are pending in the application.
- 4a) Of the above claim(s) 1 is/are withdrawn from consideration.
- 5) ☐ Claim(s) 6,8 and 9 is/are allowed.
- 6) ☐ Claim(s) 2,3 and 5 is/are rejected.
- 7) ☐ Claim(s) 4 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Objections***

Claim 5 objected to because of the following informalities: Claim 5, line 5 reads "the substrates to not contact", it appears that this should read, "the substrates do not contact". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 2 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by An et al.

An et al. teaches a method of cutting a flexible glazing structure comprising applying a non-conductive barrier material to a first pair of substrates to be laminated before coating with liquid crystal material, laminating the pair of substrates with liquid crystal material there between and cutting the laminate, (col. 6, lines 36-43, and col. 8, lines 45-47). An et al. also teaches cutting notches in both of a pair of substrates to be laminated, registering the substrates such that the notches do not overlap when the substrates are laminated together, (col. 9, lines 40-46, fig. 17B).

The Examiner notes that the notches do not touch, therefore they do not overlap.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over An et al. in view of Choi et al.

An et al. teaches all the limitations of the claims except for lowering the temperature of the substrates and liquid crystal material to a temperature sufficiently low to increase the viscosity of the liquid crystal material. Choi et al. teaches that when forming a LCD, when the temperature of the liquid crystal is lowered, the viscosity is increased, (col. 2, lines 5-43). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide a LCD, made by lowering temperature and therefore having a high viscosity of the liquid crystal, as taught by Choi et al., in the cutting method of An et al., An et al. teaches a method of cutting a LCD, and Choi teaches a LCD, and the method of cutting of An et al. can be performed on various types of LCDs.

***Allowable Subject Matter***

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 6,8 and 9 are allowed.

***Response to Arguments***

Applicant's arguments filed 12/20/06 have been fully considered but they are not persuasive.

In reference to claim 2, the Applicant argues that An et al. does not apply a non-conductive barrier material to the first pair of substrates before coating laminating with a liquid crystal material. The Examiner disagrees. An teaches that the first and second substrates are attached by a seal, 105, which is an epoxy resin, (col. 9, lines 12-13), which is therefore a non-conductive barrier material. Then An laminates the pair of substrates, (as claimed in claim 2), with liquid crystal material, (col. 6, lines 41-42), and the cutting the laminate along a barrier formed by the non-conductive barrier material, (col. 8, lines 45-47 and figs. 15A and 15B, which shows the cutting going through the non-conductive barrier, 105, col. 9, lines 12-13).

In reference to claim 3, the Examiner feels that the An reference reads on the limitations of the claim, as claimed. The claim states the notches are cut in the substrate, (fig. 17B). The claim states that the notches do not overlap when the substrate are laminated together. The notches of An do not overlap, meaning that they

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do not at any point come in contact with another notch, (the longitudinal axis going through the apexes of the notches, in fig. 17B are aligned). The claims claim that the notches themselves do not overlap, which in fig. 17B they don't. The newly added limitation of the inner surfaces of the substrate are exposed is also met by An. The inner surface of the substrate of An is exposed to various things, such as liquid crystal material. The limitation does not specify as to what it is exposed to.

In reference to claim 5, the LCD as taught by Choi et al. teaches lowering the temperature of the substrate and the LCD which in turn increases the viscosity of the of the LCD material. The Examiner cited the Choi reference to teach an LCD substrate. The LCD of Choi was combined with the cutting method An, which teaches that the method can be used on various types of LCD, and the LCD of Choi fits into that category.

In reference to the argument that An does not teach laminating the substrate. The Examiner notes that laminate/laminating is defined in The New Heritage Dictionary, as to make by uniting several layers, or composed of layers bonded together.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shantese L. McDonald whose telephone number is (571) 272-4486. The examiner can normally be reached on 8:00 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

S.L.M.



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